REFERENCES

- Angevine, W.M., A.B. White, and S.K. Avery. 1994. Boundary-layer depth and entrainment zone characterization with a boundary-layer profiler. *Bound. Lay. meteor.*, **68**, 375-385.
- ATMET. 2004. RAMS Simulation for San Francisco Bay Area Air Quality Episodes. Prepared for the BAAQMD, by ATMET LLC, Boulder CO, June 2004.
- Bianco, L., and J.M. Wilczak. 2002. Convective boundary layer depth: Improved measurement by Doppler radar wind profiler using fuzzy logic methods. *J. Atmos. Ocean. Technol.*, **19**, 1745–1758.
- Blanchard, C.L, and D. Fairley. 2001. "Spatial mapping of VOC and NOx-limitation of ozone formation in central California." *Atmos Environ*, **35** (22), pp. 3861-3873.
- Bruckman, L. and W.R. Oliver. 1993. "Development of the Enhanced Geocoded Emissions Modeling and Projections (Enhanced GEMAP) System." In: *The Emission Inventory: Perception and Reality*. Proceedings of an International Specialty Conference sponsored by the Air & Waste Management Association, Pasadena, California, October 18-20, 1993. pp. 810-824.
- CARB. 1992. "Technical Guidance Document: Photochemical Modeling," California Environmental Protection Agency, Air Resources Board. April 1992.
- CARB. 2001. "The Biogenic Emission Inventory Geographic Information System." www.ladco.org/biogenics/beigis/presentation/beigis coding demo/index.htm
- CARB, 2003. "EMFAC2001 version 2.08 and EMFAC2002 version 2.20: Calculating emission inventories for vehicles in California; User's Guide." www.arb.ca.gov/msei/on-road/latest-version.htm
- CARB, 2004a. "Preparation of Emissions." http://eos.arb.ca.gov/eos/ARB_Modeling/JulyAug2000_SIP_Modeling_Doc_Ch4_11-26-03.pdf
- CARB, 2004b. "CALMET-MM5 Hybrid for July-August 2000."

 http://eos.arb.ca.gov/eos/ARB_Modeling/JulyAug2000_SIP_Modeling_Doc_Ch3_11-26-03.pdf
- CARB, 2004c. "Emissions Coordination Group." http://eos.arb.ca.gov/eos/ARB_Modeling/JulyAug2000_SIP_Modeling_Doc_AppA_11-26-03.pdf
- CARB, 2004d. "Biogenic Emissions." http://eos.arb.ca.gov/eos/ARB_Modeling/JulyAug2000_SIP_Modeling_Doc_AppB_11-26-03.pdf

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- CARB, 2004e. "Treatment of OVOCs." http://eos.arb.ca.gov/eos/ARB Modeling/Addition of OVOCs.doc
- CARB, 2004f. "SIP Emissions Projections (CCOS Domain)." http://www.arb.ca.gov/app/emsinv/ccos/tableofcontent.php
- Carter, W.P.L. 2000. Programs and files implementing the SAPRC-99 mechanism and its associated emissions processing procedures for Models-3 and other regional models. http://pah.cert.ucr.edu/~carter/SAPRC99.htm.
- Chen, F. and J. Dudhia. 2001. Coupling an advanced land-surface/hydrology model with the Pen Stat/NCAR MM5 modeling system. Part I: Model implementation and sensitivity. *Mon. Wea. Rev.*, **129**, 569-585.
- Corbett, J.J., P. S. Fischbeck, and S. N. Pandis. 1999. "Global Nitrogen and Sulfur Emissions Inventories for Oceangoing Ships," *Journal of Geophysical Research*, 104(D3), 3457-3470.
- Corbett, J. J. and P.S. Fischbeck. 1997. "Emissions from Ships," *Science*, Vol. 278, 31 October.
- DaMassa, J., S. Tanrikulu, K. Magliano, A.J. Ranzieri, and L. Niccum. 1996. Performance evaluation of SAQM in central California and attainment demonstration for the August 3-6, 1990, ozone episode. California Air Resource Board Tech. Rep., 109 pp. [Available from California Air Resources Board, P.O. Pox 2815, Sacramento, CA 95812.]
- Dickson, R.J. and W.R. Oliver, 1991. "Emissions Models for Regional Air Quality Studies." *Environmental Science and Technology*, **25**:1533-1535.
- Dickson, R.J., V.M. Sadeghi, J.G. Wilkinson, P.K. Brooks, and S.J. Strasser, 1992. "Development of a New Emissions Modeling System." In: *Emission Inventory Issues*. Proceedings of an International Specialty Conference sponsored by the Air & Waste Management Association, Durham, North Carolina, October 19-22, 1992. pp. 511-524.
- Dinh, T., 2002. "Source inventory categories #344-356." Unpublished BAAQMD report, 7 pp.
- DRI. 2001. "Central California Ozone Study (CCOS) Volume III: Summary of field operations, Final Report." Technical report, prepared for California Air Resources Board, P. O. Box 2815, Sacramento, CA 95812.
- Dudhia, J. 1993. "A Non-Hydrostatic Version fo the Penn State/NCAR Mesoscale Model: validation Tests and Simulation of an Atlantic Cyclone and Cold Front." *Mon. Wea. Rev.*, **121**, 1493-1513.
- Dudhia, J. 1996. A multi-layer soil temperature model for MM5. In preprints, The Sixth PSU/NCAR Mesoscale Model Users' Workshop, 22-24 July 1996, Boulder, Colorado, 49-50.

- Emery, C.A. and E. Tai. 2004a. "Standardization of MM5 statistical performance evaluation for CCOS applications." Memorandum to BAAQMD and MAC, prepared by ENVIRON International Corporation, Novato, CA, March 12, 2004.
- Emery, C.A. and E. Tai, 2004b. "CAMx model performance for speciated and total VOC for July/August 2000." Memorandum to BAAQMD and MAC, prepared by ENVIRON International Corporation, Novato, CA, April 13, 2004.
- Emery, C.A., E. Tai, G. Yarwood. 2001. "Enhanced Meteorolgoical Modeling and Performance Evaluation for Two Texas Ozone Episodes." Prepared for the Texas Natural Resource Conservation Commission, by ENVIRON International Corporation, Novato, CA.
- ENVIRON. 2003. "User's Guide, Comprehensive Air Quality Model with extensions (CAMx), Version 4.00." Prepared by ENVIRON International Corporation, Novato, CA. www.camx.com
- ENVIRON, ATMET, Alpine Geophysics, and BAAQMD. 2002. "Modeling Protocol (Fourth Draft): Development of a Photochemical Modeling System to Support the Bay Area Air Quality Management District's 2004 State Implementation Plan." Prepared for the BAAQMD, San Francisco, CA., December 2002.
- EPA. 1991. "Guideline for Regulatory Application of the Urban Airshed Model," EPA-450/4-91-013, U.S. Environmental Protection Agency, Office of Air Quality Planning and Standards, Research Triangle Park, NC 27711. July 1991.
- EPA. 1996. "Guidance on Use of Modeled Results to Demonstrate Attainment of the Ozone NAAQS." EPA-454/B-95-007, U.S. Environmental Protection Agency, Office of Air Quality Planning and Standards, Research Triangle Park, NC 27711.
- EPA. 1999. "Draft Guidance on the Use of Models and Other Analyses in Attainment Demonstrations for the 8-Hour Ozone NAAQS." EPA-454/R-99-004, U.S. Environmental Protection Agency, Office of Air Quality Planning and Standards, Research Triangle Park, NC 27711. May 1999.
- EPA, 2002. Carbon Bond IV & PM Profiles File. http://www.epa.gov/ttn/chief/emch/speciation/cbiv-profiles mar 4 2002.xls
- Fieber, J. L. and R. G. Ireson. 2001. "DTIM4 User's Guide." Manual updated by Wayne Luney. Prepared by ICF Kaiser Consulting Group, Systems Application International, 101 Lucas Valley Road, San Rafael, CA. Prepared for California Department of Transportation, Office of Travel Forecasting and Analysis, PO Box 942874 (MS-38), Sacramento, CA (wayne.luney@dot.ca.gov).
- Grell. G.A., J. Dudhia, and D.R. Stauffer. 1994. "A Description of the Fifth Generation Penn State/NCAR Mesoscale Model (MM5)." NCAR Tech. Note, NCAR TN-398-STR, 138 pp.
- Harley. 2003. Fuel-based emission inventory estimate.

- Janssen, M., 1998. "Recent Improvements and Enhancement to the EMS-95 Model." In: *Emission Inventory: Living in a Global Environment*. Proceedings of a Specialty Conference sponsored by the Air & Waste Management Association, New Orleans, Louisiana, December 8-10, 1998. pp. 1005-1012.
- Lam, T., D. Niemeier, and K. Jierranaitanakit, 2002. "Estimation of Hourly Allocation Factors for the Central California Ozone Study Using State-wide Model Data and Real Time Traffic Data." Final Draft Prepared for California Air Resources Board, 2020 L Street, Sacramento, CA 95812-2815. Prepared by Department of Civil and Environmental Engineering, University of California, One Shields Ave., Davis, CA 95616. July.
- Lehrman, D., Knuth, B., and Fairley, D. 2001. "Characterization of the CCOS 2000 measurement period." Technical report, California Air Resources Board, P. O. Box 2815, Sacramento, CA 95812.
- Morris, R.E., G.M. Wilson, G. Yarwood. T.Darlington, J. Heiken, J.Heuss, G. Wolff, A. Dunker, S. Yamazaki and S. Chatani. 2002. "Evaluation of the Air Quality Impacts of Zero Emission Vehicles (ZEVs) and a No ZEV Alternative in the South Coast Air Basin of CA". Presented at the 95th Annual Air and Waste Management Association Meeting and Exhibition. Baltimore MD. June 24-26.
- O'Brien, J.J., 1970. "A note on the vertical structure of the eddy exchange coefficient in the planetary boundary layer." *J. Atmos. Sci.*, **27**, 1213-1215.
- Pierce, T.E. 2001. BEIS3 version 0.9. ftp://ftp.epa.gov/amd/asmd/beis3v09/. March 30.
- Pierce, T., Kinnee, E. and C. Geron. 1998. "Development of a 1-km resolved vegetation cover data base for regional air quality modeling." American Meteorological Society's 23rd Conference on Agricultural and Forest Meteorology, November 1998, Albuquerque, New Mexico.
- Stauffer, D.R. and N.L. Seaman. 1990. "Use of Four-Dimensional Data Assimilation in a Limited-Area Mesoscale Model. Part I: Experiments with Synoptic Data." *Mon. Wea. Rev.*, **118**, 1250-1277.
- Stauffer, D.R. and N.L. Seaman. 1994. "On Multi-Scale Four-Dimensional Data Assimilation." *J. Appl. Meteor.*, **33**, 416-434.
- Tanrikulu, S., D.R. Stauffer, N.L. Seaman, and A.J. Ranzieri. 2000. A field-choherence technique for meteorological field-program design for air quality studies. Part II: Evaluation in the San Joaquin Valley. *J. Appl. Meteor.*, **39**, 317-334.
- Tesche, T.W. 1994. "Evaluation Procedures for Regional Emissions, Meteorological, and Photochemical Models." Presented at the 86th Annual Meeting of the Air and Waste Management Association, 14-18 June, Denver, CO.
- Tesche, T.W., D.E. McNally, C.A. Emery, E. Tai, 2001. "Evaluation of the MM5 Model Over the Midwestern U.S. for Three 8-hr Oxidant Episodes." Prepared for the Kansas City Ozone Technical Workgroup, through the Kansas Department of Health and

- Environment, Topeka KS, and the Missouri Department of Natural Resources, Jefferson City, MO. Prepared by Alpine Geophysics, LLC, Ft. Wright, KY, and ENVIRON International Corporation, Novato, CA.
- Tesche T. W., D. E. McNally, J. G. Wilkinson, H. E. Jeffries, Y. Kimura, C. Emery, G. Yarwood, and D. R. Souten. 2004. "Evaluation of the 16-20 September 2000 Ozone Episode for use in 1_hr SIP Development in the California Central Valley." Prepared for the California Air Resources Board, by Alpine Geophysics, LLC, Ft. Wright, KY, O3 Chemistry, NC, University of Texas, Austin, TX, and ENVIRON International Corporation, Novato, CA (AG-90/TS201).
- Vizuete, W., D.T. Allen, C.A. Emery, G. Yarwood, H. Jefferies. 2004. "Evaluation of the July 31, 2000 Ozone Episode in the San Francisco Bay Area with the Process Analysis Tool." Prepared for the BAAQMD, San Francisco, CA, by the University of Texas, Austin, TX, ENVIRON International Corporation, Novato, CA, and the University of North Carolina at Chapel Hill, NC.
- Umeda, T., and P.T. Martien. 2002. Evaluation of a data assimilation technique for a mesoscale meteorological model used for air quality modeling. *J. Appl. Meteor.*, **41**, 12-29.
- Wesely, M.L. 1989. "Parameterization of Surface Resistances to Gaseous Dry Deposition in Regional-Scale Numerical Models." *Atmos. Environ.*, **23**, 1293-1304.
- White, A.B. 1993. Mixing depth detection using 915-MHz radar reflectivity data. In preprints, Eighth Symposium On Observations and Instrumentation, Anaheim, Califonia, American Meteorological Society, 248-250.
- Wilczak, J.M., R.G. Strauch, F.M. Ralph, B.L. Weber, D.A. Merritt, J.R. Jordan, D.E. Wolfe, L.K. Lewis, D.B. Wuertz, J.E. Gaynor, S.A. McLaughlin, R.R. Rogers, A.C. Riddle, and T.S. Dye. 1995. Contamination of wind profiler data by migrating birds: characteristics of corrupted data and potential solutions. *J.Atmos. Ocean. Technol.*, **12**, 449-467.
- Wilkinson, J. G., C. F. Loomis, R. A. Emigh, D. E. McNally, T. W. Tesche, 1994. "Technical Formulation Document: SARMAP/LMOS Emissions Modeling System (EMS-95)." Final report prepared for the Lake Michigan Air Directors Consortium (Des Plaines, IL) and the Valley Air Pollution Study Agency (Sacramento, CA). EMS-95 User's Guide available at http://www.ladco.org/emis/guide/ems95.html.
- Wilkinson, J. G., 2004. "Development of the California Integrated Transportation Network (ITN)." Final report prepared for Vernon Hughes, Manager, Control Strategy Modeling Section, CalEPA- Air Resources Board, Planning and Technical Support Division, 1001 I Street, Sacramento, CA. Prepared by Alpine Geophysics, LLC, La Honda, CA. ARB Contract 93-2PM. AG Report AG-TS-90/155.